CLAIMS

1) A method of simulating operating conditions of a telecommunication system including a plurality of radio base stations and a plurality of mobile transceivers, comprising:

computing at least one value of at least one interference parameter of one of said mobile transceivers, the at least one interference parameter being indicative of an amount of interference affecting a communication between said mobile transceiver and an associated radio base station;

identifying radio base stations and mobile transceivers that generate a significant amount of interference affecting said communication; and

selecting data of radio base stations and mobile transceivers identified during the identification step for an execution of the computing step.

2) A method according to claim 1, further comprising:

a step of creating, for a given cell including a radio base station, a neighbor list containing identities of neighbor cells including radio base stations with which a mobile transceiver in said given cell could potentially establish a communication, the identification step identifying neighbor cells of said given cell including the mobile transceiver to which the at least one interference parameter is computed.

3) A method according to claim 2, wherein the identification step comprises:

identifying cells which are neighbors to a predetermined degree of said given cell including the mobile transceiver to which the at least one interference parameter is computed.

4) A simulation device for simulating operating conditions of a telecommunication system including a plurality of radio base stations and a plurality of mobile transceivers, comprising:

computing means for computing at least one value of an interference parameter of at least one of said mobile transceivers, the interference parameter being indicative of an amount of interference affecting a communication between said mobile transceiver and an associated radio base station;

identification means for identifying radio base stations and mobile transceivers that generate a significant amount of interference affecting said communication; and

selection means for selecting data of radio base stations and mobile transceivers identified by the identification means for computation by the computing means.

5) A simulation device according to claim 4, further comprising:

list generation means for creating, for a given cell including a radio base station, a neighbor list containing identities of neighbor cells including radio base stations with which a mobile transceiver in said given cell could potentially establish a communication, the identification means identifying neighbor cells of said given cell including the mobile transceiver to which the interference parameter is computed.

6) A simulation device according to claim 5, wherein the identification means identify cells which are neighbors to a predetermined degree of said given cell including the mobile transceiver to which the interference parameter is computed.

7) A simulation device according to claim 4, comprising:

simulation means for simulating movements and ongoing communications of said mobile transceivers according to a given set of operating conditions of the radio base stations and transceivers, said simulation means including the computing means, the identification and selection means; and

management means for updating said given set of operating conditions of the radio base stations and transceivers with respect to said simulated movements and ongoing communications of said mobile transceivers, said management means including the list generation means,

wherein the simulation and management means operate asynchronously with respect to each other.

8) A method of testing a radio network controlling unit configured to manage ongoing communications between mobile transceivers and radio base stations in an actual deployment of a telecommunication system, comprising:

using the simulation device claimed in claim 7 to simulate a behavior of said radio network controlling unit, said radio network controlling unit substituting for a management module.

9) A method of testing a radio base station configured to be included in a simulated telecommunication system when actually deployed, comprising:

using the simulation device claimed in claim 7 to simulate a behavior of said radio base station, said radio base station being connected to a simulation module.

10) A simulation device for simulating operating conditions of a telecommunication system including a plurality of radio base stations and a plurality of mobile transceivers, comprising:

a computing device configured to compute at least one value of an interference parameter of at least one of said mobile transceivers, the interference parameter being

indicative of an amount of interference affecting a communication between said mobile transceiver and an associated radio base station;

an identification device configured to identify radio base stations and mobile transceivers that generate a significant amount of interference affecting said communication; and

a selection device configured to select data of radio base stations and mobile transceivers identified by the identification device for computation by the computing device.

11) A simulation device according to claim 10, further comprising:

a list generation device configured to create, for a given cell including a radio base station, a neighbor list containing identities of neighbor cells including radio base stations with which a mobile transceiver in said given cell could potentially establish a communication, the identification device identifying neighbor cells of said given cell including the mobile transceiver to which the interference parameter is computed.

12) A simulation device according to claim 11, wherein the identification device identifies cells which are neighbors to a predetermined degree of said given cell including the mobile transceiver to which the interference parameter is computed.

13) A simulation device according to claim 10, comprising:

a simulation module configured to simulate movements and ongoing communications of said mobile transceivers according to a given set of operating conditions of the radio base stations and transceivers, said simulation module including the computing device, the identification and selection devices; and

a management module for updating said given set of operating conditions of the radio base stations and transceivers with respect to said simulated movements and ongoing communications of said mobile transceivers, said management module including the list generation device,

wherein the simulation and management modules operate asynchronously with respect to each other.